

Rishi Umaria

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Education

Conestoga College

Waterloo, ON.

Bachelors of Computer Science (Honours)

Sept. 2023 – Aug. 2027 (Expected)

Major in Cyber Security

Coursework: Data Structures & Algorithms, Software Design Techniques, Computer Networks, System Analysis & Design, Operating Systems, Mobile & Networked Systems, Database Systems, UX Evaluation & Testing

Experience

Freelance Software Developer, Dutch Hollow Market — Remote, NY, USA

May 2024 – July 2024

- Store lacked digital engagement; redesigned and launched a unified website with POS-linked inventory, increasing online user engagement by approximately **40%**.
- Fragmented legacy platforms hindered usability; unified systems and automated cross-store inventory visibility, reducing bounce rate by an estimated **35%**.
- Limited online discoverability; implemented responsive UI/UX and integrated Google Business APIs, improving accessibility and local customer reach.

Student Experience Mentor, Conestoga College – Waterloo, ON

Sept. 2025 – Dec. 2025

- Mentored a first-semester student through regular one-on-one meetings, introducing them to campus systems, facilities, and academic resources to ensure a smooth transition into college life.
- Provided personalized guidance by addressing questions, resolving confusions, and fostering confidence—experience formally recognized on Conestoga’s Co-Curricular Record (CCR).

Projects

Goober — Distributed Ride-Hailing Platform

github.com/R-umaria/goober-live-tracking

- Designed and owned backend services for live tracking, routing, & fare estimation using REST APIs in C#.
- Implemented containerized deployments, CI pipelines, and automated testing to ensure reliability across distributed service interactions.

InvestEd — AI-Assisted Financial Literacy Platform

github.com/R-umaria/htn-investEd

- Built a full-stack platform translating financial data into user-friendly insights through modular backend services and structured data transformation workflows.
- Integrated AI-assisted analysis pipelines while prioritizing explainability, architectural modularity, and scalable feature expansion under real-world user constraints.

DriveWise — Mobile Driver Analytics Application

github.com/R-umaria/Group24F24

- Developed a Flutter-based mobile application analyzing driving behavior using GPS and motion sensors with real-time signal filtering techniques.
- Validated system accuracy through physical device testing and iterative refinement, balancing performance, reliability, and realistic deployment constraints.

Technical Skills

Programming Languages: Python, C/C++, Java, JavaScript, Dart

Web & APIs: RESTful API Design, React.js, TypeScript, Flutter, Streamlit

Databases: MySQL, SQLite, MongoDB

Frameworks/Libraries: Flask, PyTorch, Keras, OpenCV, Pandas, NumPy

Dev & Testing Tools: Git/GitHub, Docker, Jupyter, CI/CD (GitHub Actions), JMeter, Wireshark

Engineering Practices: SDLC (Agile/Scrum), Unit Testing, System Testing, Technical Documentation

Activities & Leadership

- **13x Hackathon Developer (Multiple Wins)** — Built, pitched, and shipped rapid MVPs in 24–48 hour sprints at national and international hackathons including **HackTheNorth 25'**, **NASA Space Apps 24'**, **DeltaHacks XI**, **HackThe6ix 25'**, and **Ctrl Hack Del**, etc; recognized for technical innovation, and impact among 100+ teams.